U.S. Patent Application Serial No. 10/686,130 Reply to Office Action dated February 14, 2006

## Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the application:

## Listing of Claims:

- 1. (Previously Presented) A buffer circuit comprising: operational amplification means which is configured to input an input voltage to a non-inverted input terminal and inputs an output voltage from an output terminal to an inverted input terminal through feedback; and output acceleration means which receives the input voltage and the output voltage as differential inputs and which outputs an electric current larger than a current output from the operational amplification means to the output terminal when a difference between the input voltage and the output voltage exceeds a predetermined offset voltage.
- 2. (Original) The buffer circuit according to claim 1, wherein the output acceleration means has a differential amplification section having the predetermined offset voltage, and a switching section which is connected between a source potential and the output terminal and is activated or deactivated in accordance with an output from the differential amplification section.
- 3. (Original) The buffer circuit according to claim 2, wherein the differential amplification section has a first differential amplification circuit which produces a first output when the input voltage is higher than the output voltage by an amount corresponding to a first offset voltage, and a second differential amplification circuit which produces a second output when the output voltage is higher than the input voltage by an amount corresponding to a second offset voltage; and wherein the switching section has a first switching circuit which is connected between a first source potential and the output terminal and is activated or deactivated in accordance with the first output, and a second switching circuit which is connected between the

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output terminal and a second source potential and is activated or deactivated in accordance with the second output.

- 4. (Original) The buffer circuit according to claim 2, wherein the operational amplification means is formed such that an electric current output from a first source potential to the output terminal is limited to a predetermined current value and such that an electric current output from the output terminal to a second source potential flows by way of the switching circuit; and wherein the output acceleration means has a differential amplification section having the predetermined offset voltage and a switching section which is connected between the first source potential and the output terminal and is activated or deactivated in accordance with an output from the differential amplification section.
- 5. (Original) The buffer circuit according to claim 1, wherein said buffer circuit is used for at least any one of a plurality of buffer circuits which is used for a driver IC.
- 6. (Original) The buffer circuit according to claim 1, wherein said operational amplification means is an operational amplifier which includes a plurality of constant current sources.
- 7. (Cancelled)